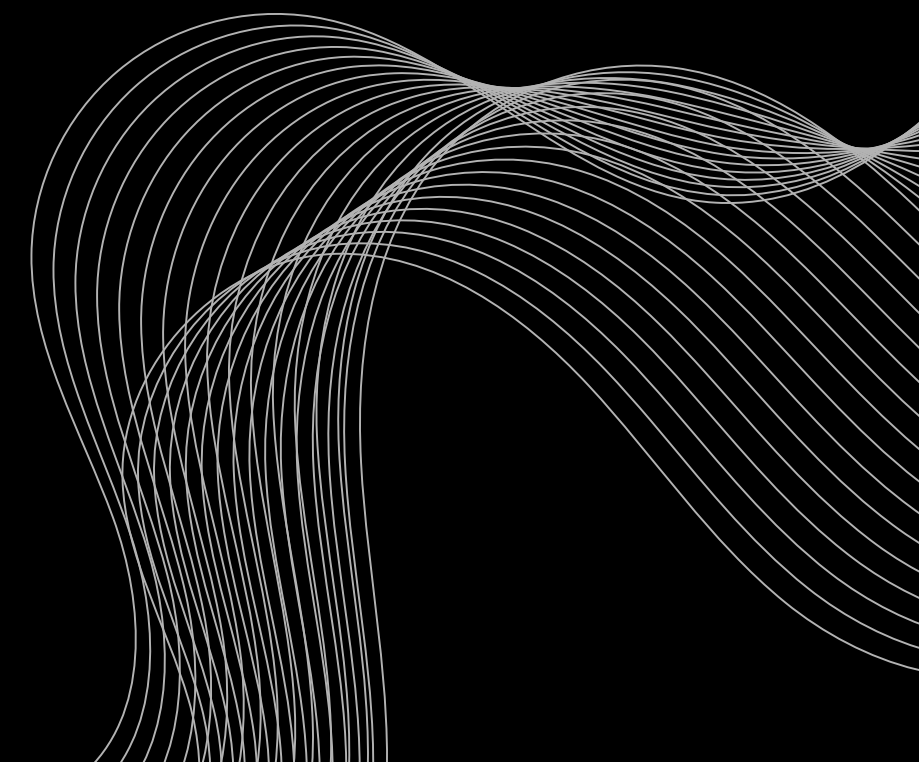


NOVA ODESA TERRITORIAL  
COMMUNITY

**NEW CONSTRUCTION OF A  
WATER INTAKE FACILITY  
AND RECONSTRUCTION OF  
A FULL BIOLOGICAL  
TREATMENT STATION  
(FBTS) IN NOVA ODESA,  
MYKOLAIV REGION**





# 1. Project Goal

To provide the community with quality drinking water and an effective wastewater treatment system by constructing a new water intake facility and modernizing the existing Full Biological Treatment Station (FBTS).





## 2. Project Objectives



Construction of a new artesian water intake facility with appropriate infrastructure

- Reconstruction of the FBTS with energy-efficient and environmentally friendly technologies
- Installation of a solar power plant to supply energy to the facilities
  - Obtaining new technical specifications and updating permits
  - Reducing the environmental burden
- Improving environmental safety and sanitary conditions







Nova Odesa has a deteriorated water supply and wastewater infrastructure, which:

- Poses health risks to the population
- Threatens pollution of the Southern Bug River and underground waters
- Hinders community development

The current treatment station does not meet modern efficiency and environmental standards.

In the context of climate change and wartime risks, a reliable water supply and wastewater treatment system is critically important.

## 3. Relevance



# 4. Key Components



## A) Water Intake:

- Drilling of artesian wells
- Construction of a 1st-lift pumping station
- Installation of clean water storage tanks
  - Power supply lines
  - Automation of water quality control

## B) Full Biological Treatment Station (FBTS):

- Dismantling outdated equipment
- Installation of new mechanical and biological treatment modules
- Implementation of advanced purification and disinfection technologies
- Installation of sludge storage sites or a dewatering system
  - Monitoring and dispatching system

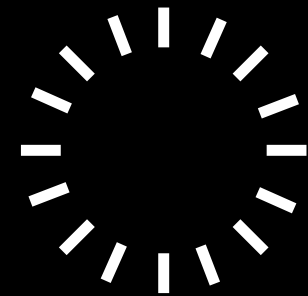
## C) Solar Power Plant:

- Capacity: 500 kW – water intake, 45 kW – FBTS
- Power supply for pumping and treatment facilities
  - Reducing electricity costs by up to 50%





# 5. Expected Results



- Drinking water supply for up to 20,000 residents
- Reduction of pollutant discharges into the Southern Bug River
- Compliance of treated wastewater with European standards
- Increased energy independence of facilities
- Enabling conditions for the development of entrepreneurship, healthcare, and education







## **6. Budget (approximate, subject to adjustment after design stage)**

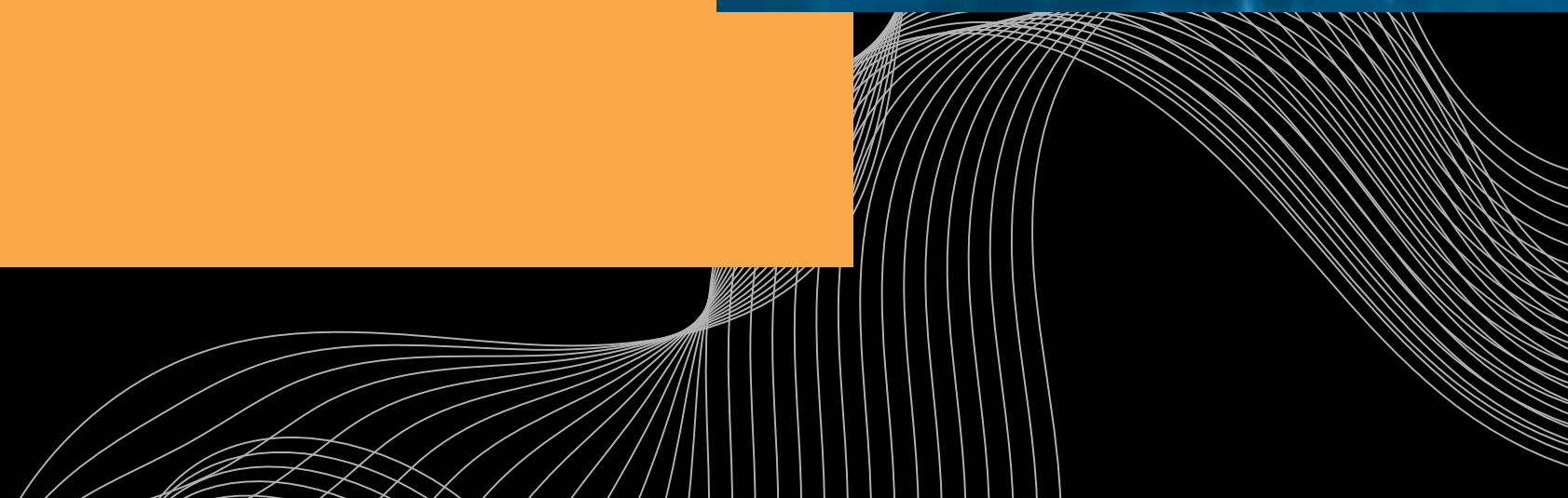
Water intake facility – 28,000,000 UAH

Reconstruction of FBTS – 45,000,000 UAH

500 kW solar power plant – 17,000,000 UAH

Technical documentation and expert review – 3,000,000 UAH

Total: 93,000,000 UAH





# Contacts



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**Committed to building strong and  
effective cooperation!**

